INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Governor

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Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

March 2, 2004

TO: Interested Parties / Applicant

RE: Milestone Contractors, LP / SPR 145-18237-03230

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 9/16/03

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March 2, 2004

Mr. Ron Terrell
Milestone Contractors, L.P.
P.O. Box 421459
Indianapolis, Indiana 46242-1459

Re: 145-18237
First Significant Revision to
FESOP 145-14096-03230

Dear Mr. Terrell:

Milestone Contractors, L.P. was issued a permit on February 15, 2002 for an asphalt pavement production plant. A letter requesting changes to this permit was received on October 15, 2003. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of replacing the existing 96 MMBtu per hour aggregate dryer burner with a 135 MMBtu per hour aggregate dryer burner, replacing the existing parallel flow drum mixer with a counter flow drum mixer, increasing the maximum throughput capacity from 350 tons per hour to 400 tons per hour, and to have the SO_2 and NOx emissions limited to 90 tons per year to comply with 326 IAC 2-8 (FESOP) to allow for potential future modifications without having to revise the FESOP limits. Also, the source is replacing one (1) 10,000 gallon re-refined waste oil storage tank (Tank 14) with one (1) 20,000 gallon re-refined waste oil storage tank, also to be identified as Tank 14.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Trish Earls, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call at (973) 575-2555, ext. 3219 or dial (800) 451-6027, and ask for extension 3-6878.

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
TE/EVP
cc: File – Shelby County
U.S. EPA, Region V
Shelby County Health Department
Air Compliance Section Inspector – D.J. Knotts
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michelle Boner

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) Renewal OFFICE OF AIR QUALITY

Milestone Contractors, L.P.
201 East Rampart Street
Shelbyville, Indiana 46176

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provision of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; and denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F145-14096-03230	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 15, 2002 Expiration Date: February 15, 2007

First Administrative Amendment No.: 145-17415-03230, issued on July 17, 2003.

First Significant Permit Revision: 145-18237-03230 Pages Affected: All pages	
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: March 2, 2004 Expiration Date:March 2, 2009

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary asphalt pavement production plant.

Authorized Individual:	Ron Terrell, Senior Manager Asphalt Plants
Source Address:	201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address:	P.O. Box 421459, Indianapolis, Indiana 46242-1459
SIC Code:	2951
Source Location Status:	Shelby County
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) one (1) aggregate counter flow drum mix dryer, identified as emission unit No. 2, with a maximum capacity of 400 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 135.0 million (MM) British thermal units (Btu) per hour using No. 2 distillate fuel oil and re-refined waste oil as back-up fuels and one (1) baghouse system for air pollution control, exhausting at one (1) stack, identified as S-1;
(b) one (1) drag slat conveyor, three (3) feed conveyors, and one (1) screen;
(c) one (1) liquid asphalt storage tank, identified as Tank 10, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as V-3; and
(d) cold-mix (stockpile mix) asphalt storage piles.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) one (1) No. 2 distillate fuel oil fired asphalt storage tank heater, identified as emission unit No. 11, rated at 0.45 MMBtu per hour using natural gas as back-up fuel, and exhausting at two (2) stacks, identified as S-2A, and S-2B;
(b) one (1) No. 2 distillate fuel oil fired hot oil heater, identified as emission unit No. 13, rated at 1.25 MMBtu per hour using natural gas as back-up fuel, exhausting at one (1) stack, identified as S-4;
(c) one (1) cold feed system consisting of six (6) compartments with a total aggregate holding capacity of 150 tons;
(d) two (2) hot mix asphalt cement storage silos, each with a maximum storage capacity of 100 tons;
(e) one (1) Recycled Asphalt Pavement (RAP) feed bin with a holding capacity of 18 tons;
(f) two (2) liquid asphalt storage tanks, identified as Tank 12 and Tank 16, with respective maximum storage capacities of 22,000 and 30,000 gallons, with emissions exhausting through Stacks V-5 and V-8, respectively;

(g) two (2) re-refined waste oil storage tanks, identified as Tanks 14 and 15, with respective maximum storage capacities of 20,000 and 10,000 gallons, and each exhausting at one (1) stack, identified as V-6 and V-7, respectively;
(h) aggregate storage piles, with a maximum storage capacity of 30,300 tons;
(i) RAP storage piles, with a maximum storage capacity of 30,000 tons;
(j) propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than 6.0 MMBtu per hr;
(k) combustion source flame safety purging on startup;
(l) Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
(m) vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
(n) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
(o) degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 (parts washer using non-HAP Safety Kleen or Crystal Clean solvent);
(p) cleaners and solvents having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (1001F) or; having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 201C (681); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
(q) closed loop heating and cooling systems;
(r) paved and unpaved roads and parking lots with public access; and
(s) a laboratory as defined in 326 IAC 2-7-1(20)(C).

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.13 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.19 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD));

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on June 17, 1996. The plan is included as Attachment A.

C.8 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.9 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.10 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.11 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.12 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.13 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.14 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

C.15 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (?2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (?2%) of full scale reading.

(c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.16 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days from the date of issuance of this permit.

The ERP does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.17 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.18 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.22 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) one (1) aggregate counter flow drum mix dryer, identified as emission unit No. 2, with a maximum capacity of 400 tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of 135.0 million (MM) British thermal units (Btu) per hour using No. 2 distillate fuel oil and re-refined waste oil as back-up fuels and one (1) baghouse system for air pollution control, exhausting at one (1) stack, identified as S-1;

(b) one (1) drag slat conveyor, three (3) feed conveyors, and one (1) screen;

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart I.

D.1.2 Particulate Matter (PM) [326 IAC 12] [40 CFR 60.90, Subpart I]

Pursuant to 326 IAC 12, (40 CFR Part 60.90, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the particulate matter emissions from the mixing and drying operations shall be limited to 0.04 grains per dry standard cubic foot (gr/dscf). This is equivalent to a particulate matter emission rate of 11.6 pounds per hour. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM emissions from the mixing and drying operations to 50.83 tons per year for a source-wide total potential to emit of less than 250 tons per year.

D.1.3 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed 0.037 pound of PM-10 per ton of asphalt mix. This is equivalent to a PM-10 emission limit of 14.71 pounds per hour, including both filterable and condensible fractions. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to 64.4 tons per year for a source-wide total potential to emit of less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.4 Opacity [326 IAC 12] [40 CFR 60.90, Subpart I]

Pursuant to 326 IAC 12, (40 CFR Part 60.92, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", the mixing and drying operations shall not discharge or cause the discharge into the atmosphere any gases which exhibit 20% opacity or greater.

D.1.5 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1][326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 135.0 million Btu per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.5% when using distillate oil.

(b) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 135.0 million Btu per hour burner for the aggregate dryer shall be limited to 1.6 pounds per million Btu heat input or a sulfur content of less than or equal to 1.3 percent when using re-refined waste oil. The source has accepted a sulfur content limit of 0.75 percent for re-refined waste oil.

(c) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.1.6 Fuel Usage [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4(1), the following limits shall apply:

(a) the sulfur content of the re-refined waste oil used in the 135.0 MMBtu per hour burner for the aggregate dryer shall not exceed 0.75 percent.

(b) the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the 135.0 MMBtu per hour burner for the aggregate dryer shall be limited to 1,566,077 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, so that SO_2 emissions are limited below 100 tons per year.

(c) the usage of natural gas and natural gas equivalents in the 135 MMBtu per hour aggregate dryer burner shall be limited to 936.2 million cubic feet per twelve (12) consecutive month period, with compliance determined at the end of each month, so that NOx emissions are limited to less than 100 tons per year.

(d) For purposes of determining compliance, the following shall apply:

(1) every MMCF of natural gas burned shall be equivalent to 5.4 gallons of re-refined waste oil based on SO_2 emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified;
(2) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 712 gallons of re-refined waste oil based on SO_2 emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified.
(3) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 0.126 MMCF of natural gas burned based on NOx emissions, such that the total MMCF of natural gas and natural gas equivalent input does not exceed the limit specified; and
(4) every 1,000 gallons of re-refined waste oil burned shall be equivalent to 0.1 MMCF of natural gas burned based on NOx emissions, such that the total MMCF of natural gas and natural gas equivalent input does not exceed the limit specified.

Therefore, the requirements of 326 IAC 2-7 will not apply.

D.1.7 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.1.8 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

(a) During the period between May, 2004 and November, 2004, in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing utilizing methods per 40 CFR Part 60 Appendix A, Method 5 for PM and methods as approved by the Commissioner for PM-10. PM-10 includes filterable and condensible PM-10.

(b) Opacity testing shall be performed utilizing 40 CFR Part 60 Appendix A, Method 9, to demonstrate compliance with the opacity limitation of Condition D.1.4.

This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C-Performance Testing.

D.1.9 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input when burning No. 2 distillate fuel oil and 1.6 pounds per million But heat input when burning re-refined waste oil by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the 135.0 MMBtu per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.10 Particulate Matter (PM)

In order to comply with conditions D.1.2, D.1.3, and D.1.4, the baghouse for PM control shall be in operation and control emissions at all times when aggregate mixing and drying are in operation.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.11 Visible Emissions Notations

(a) Visible emission notations of the aggregate dryer/burner baghouse stack exhaust, and the conveyors, transfer points, aggregate storage piles, and unpaved roads shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a deviation from this permit.

D.1.12 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer/burner, at least once per shift when the aggregate dryer/burner is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan-Failure to Take Response Steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.13 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the aggregate dryer/burner when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.

D.1.14 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.15 Record Keeping Requirements

(a) To document compliance with Conditions D.1.5 and D.1.6, the Permittee shall maintain records in accordance with (1) through (7) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual re-refined waste oil and re-refined waste oil equivalent usage per month since last compliance determination period and equivalent SO_2 emissions;

(3) Actual natural gas and natural gas equivalent usage per month since last compliance determination period and equivalent NOx emissions;

(4) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

(5) Fuel supplier certifications.

(6) The name of the fuel supplier; and

(7) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.1.11, the Permittee shall maintain records of visible emission notations of the aggregate dryer/burner baghouse stack exhaust once per shift.

(c) To document compliance with Condition D.1.12, the Permittee shall maintain the following:

(1) Once per shift records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle operation.

(d) To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.16 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.6 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

D.1.17 Used Oil Requirements

The waste oil burned in the dryer/mixer burner shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

(a) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),

(b) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and

(c) Maintaining records pursuant to 329 IAC 13-8-6 (Tracking).

The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) one (1) liquid asphalt storage tank, identified as Tank 10, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as V-3.

(b) one (1) 30,000 gallon liquid asphalt storage tank, identified as Tank 16, with emissions exhausting through Stack V-8.

(c) one (1) re-refined waste oil storage tank, identified as Tank 14, with a maximum storage capacity of 20,000 gallons, and exhausting at one (1) stack, identified as V-6.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the owner or operator shall, for Tanks 10, 16, and 14, keep readily accessible records showing the dimension and capacity of the storage tanks.

Said records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit except that the records shall be kept for the life of the respective tanks.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(d) cold-mix (stockpile mix) asphalt storage piles.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.3.1 Volatile Organic Compound (VOC) [326 IAC 2-8-4]

Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed 3,244 tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to 81.11 tons per twelve (12) consecutive month period, based on the following definition:

Other asphalt with solvent binder, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating.

Therefore, the requirements of 326 IAC 2-7 will not apply.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.3.2 Record Keeping Requirements

To document compliance with Condition D.3.1, the Permittee shall maintain records in accordance with (a) through (d) below. Records maintained for (a) through (d) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.3.1.

(a) Calendar dates covered in the compliance determination period;

(b) Gelled asphalt binder usage per month since the last compliance determination period;

(c) VOC solvent content by weight of the gelled asphalt binder used each month; and

(d) Amount of VOC solvent used in the production of cold mix asphalt, and the amount of VOC emitted each month.

All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.3 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.3.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activity

(o) degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 (parts washer using non-HAP Safety Kleen or Crystal Clean solvent);

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

(d) Equip the cleaner with a cover;

(e) Equip the cleaner with a facility for draining cleaned parts;

(f) Close the degreaser cover whenever parts are not being handled in the cleaner;

(g) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(h) Provide a permanent, conspicuous label summarizing the operation requirements;

(i) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)_____

☐ Report (specify)_____

☐ Notification (specify)_____

☐ Affidavit (specify)_____

☐ Other (specify)_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- ? The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- ? The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230
Facility: 135.0 MMBtu per hour aggregate dryer burner
Parameter: Re-refined waste oil and equivalent usage limit to limit SO_2 emissions
Limit: the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the 135.0 MMBtu per hour burner for the aggregate dryer shall be limited to 1,566,077 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of ` determining compliance with this limit, the fuel equivalency ratios in condition D.1.6(d) shall be used.

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Re-refined waste oil and equivalent usage this month (gallons)	Re-refined waste oil and equivalent usage previous 11 months (gallons)	12 Month Total Re-refined waste oil and equivalent usage (gallons)
Month 1			
Month 2			
Month 3			

? **?** ☐ No deviation occurred in this quarter.

? **?** ☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230
Facility: 135.0 MMBtu per hour aggregate dryer burner
Parameter: Natural gas and equivalent usage limit to limit NOx emissions
Limit: the usage of natural gas and natural gas equivalents in the 135 MMBtu per hour aggregate dryer burner shall be limited to 936.2 million cubic feet per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance with this limit, the fuel equivalency ratios in condition D.1.6(d) shall be used.

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Natural gas and equivalent usage this month (MMcf)	Natural gas and equivalent usage previous 11 months (MMcf)	12 Month Total Natural gas and equivalent usage (MMcf)
Month 1			
Month 2			
Month 3			

? **?** ☐ No deviation occurred in this quarter.

? **?** ☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230
Facility: Cold Mix Asphalt Storage
Parameter: VOC
Limit: Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed 3,244 tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to 81.11 tons per twelve (12) consecutive month period.

YEAR:_____

Month	Column 1	Column 2	Column 1 + Column 2
	Total VOC Solvent Usage This Month (tons)	Total VOC Solvent Usage Previous 11 Months (tons)	12 Month Total VOC Solvent Usage (tons)
Month 1			
Month 2			
Month 3			

? **?** ☐ No deviation occurred in this quarter.

? **?** ☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Milestone Contractors, L.P.
Source Address: 201 East Rampart Street, Shelbyville, Indiana 46176
Mailing Address: P.O. Box 421459, Indianapolis, Indiana 46242-1459
FESOP No.: F145-14096-03230

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

ATTACHMENT A

ASPHALT PLANT SITE FUGITIVE DUST CONTROL PLAN

(a) Fugitive particulate matter emissions from paved roads, unpaved roads, and parking lots shall be controlled by one or more of the following methods:

Paved roads and parking lots:

(1) power brooming while wet either from rain or application of water on an as needed basis.

Unpaved roads and parking lots:

(1) paving with asphalt;
(2) treating with emulsified asphalt on an as needed basis;
(3) treating with water on an as needed basis;
(4) double chip and seal the road surface and maintained on an as needed basis.

(b) Fugitive particulate matter emissions from aggregate stockpiles shall be controlled by one or more of the following methods on an as needed basis:

(1) maintaining minimum size and number of stock piles of aggregate;
(2) treating around the stockpile area with emulsified asphalt;
(3) treating around the stockpile area with water;
(4) treating the stockpiles with water.

(c) Fugitive particulate matter emissions from outdoor conveying of aggregates shall be controlled by the following method on an as needed basis:

(1) applying water at the feed and the intermediate points.

(d) Fugitive particulate matter emissions from the transfer of aggregates shall be controlled by one of the following methods:

(1) minimize the vehicular distance between transfer points;
(2) enclose the transfer points;
(3) apply water on transfer points on an as needed basis.

(e) Fugitive particulate matter emissions from transportation of aggregate by truck, front end loader, etc. shall be controlled by one of the following methods:

(1) tarping the aggregate hauling vehicles;
(2) maintain vehicle bodies in a condition to prevent leakage;
(3) spray the aggregates with water;
(4) maintain a 10 MPH speed limit in the yard.

(f) Fugitive particulate matter emissions from the loading and unloading of aggregate shall be controlled by one of the following methods:

(1) reduce free fall distance to a minimum;
(2) reduce the rate of discharge of the aggregate;
(3) spray the aggregate with water on an as needed basis.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Revision to a Federally Enforceable State Operating Permit

Source Background and Description

Source Name:	**Milestone Contractors, L.P.**
Source Location:	**201 East Rampart Street, Shelbyville, Indiana 46176**
County:	**Shelby**
SIC Code:	**2951**
Operation Permit No.:	**F145-14096-03230**
Operation Permit Issuance Date:	**February 15, 2002**
Permit Revision No.:	**145-18237-03230**
Permit Reviewer:	**Trish Earls/EVP**

The Office of Air Quality (OAQ) has reviewed a revision application from Milestone Contractors, L.P. relating to the operation of an asphalt pavement production plant.

History

On October 15, 2003, Milestone Contractors, L.P. submitted an application to the OAQ requesting to replace the existing 96 MMBtu per hour aggregate dryer burner with a 135 MMBtu per hour aggregate dryer burner, replace the existing parallel flow drum mixer with a counter flow drum mixer, increase the maximum throughput capacity from 350 tons per hour to 400 tons per hour, and to have SO_2 and NOx emissions limited to 90 tons per year to comply with 326 IAC 2-8 (FESOP) to allow for potential future modifications without having to revise the FESOP limits. Also, the source is replacing one (1) 10,000 gallon re-refined waste oil storage tank (Tank 14) with one (1) 20,000 gallon re-refined waste oil storage tank, also to be identified as Tank 14. Milestone Contractors, L.P. was issued a FESOP Renewal on February 15, 2002.

Existing Approvals

The source was issued a FESOP Renewal (F145-14096-03230) on February 15, 2002. The source has since received the following:

(a) First Administrative Amendment No.: 145-17415-03230, issued on July 17, 2003.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (^{0}F)
1	Aggregate dryer burner	20.0	4.0	37821	130

Recommendation

The staff recommends to the Commissioner that the Significant Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on October 15, 2003.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (13 pages).

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as Athe maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.@

Pollutant	Potential To Emit (tons/year)
PM	6,430.65
PM-10	1,661.48
SO_2	543.26
VOC	6.84
CO	49.67
NO_x	112.35

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP	PTE (tons/year)
Arsenic	less than 10
Benzene	less than 10
Beryllium	less than 10
Cadmium	less than 10
Chromium	less than 10
Ethylbenzene	less than 10
Formaldehyde	less than 10
Hexane	less than 10

HAP	PTE (tons/year)
2,2,4 Trimethylpentane	less than 10
Lead	less than 10
Manganese	less than 10
Mercury	less than 10
Methyl Chloroform	less than 10
Nickel	less than 10
Selenium	less than 10
Toluene	less than 10
Total Polycyclic Organic Matter	less than 10
Xylene	less than 10
TOTAL HAPs	less than 25

Note: These emissions only represent emissions from an increase in plant throughput capacity from 350 tons per hour to 400 tons per hour and an increase in the maximum heat input of the aggregate dryer burner to 135 MMBtu per hour.

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM10, SO2, NOx, and CO are equal to or greater than 25 tons per year. Therefore, the FESOP is being revised through a Significant Permit Revision pursuant to 326 IAC 2-8-11.1.

(b) Fugitive Emissions
Since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability. This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2.

Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Potential to Emit (tons/year)						
Process/emission unit	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Aggregate Dryer and Burner[(1)]	50.83[(2)]	64.40[(3)]	86.33	17.84	39.32	88.94	15.27
Hot Oil Heater & Tank Heater	0.11	0.18	3.67	0.04	0.63	1.06	negligible
Conveying/Handling	3.59	1.70	-	-	-	-	-
Unpaved Roads[(4)]	153.49	32.59	-	-	-	-	-
Aggregate Storage	0.31	0.11	-	-	-	-	-
Cold-mix VOC storage[(5)]	-	-	-	81.11	-	-	-
Total PTE After Issuance	208.33	99.0	90.0	99.0	39.95	90.0	15.27

(1) Limited PTE reflects fuel oil usage limitations in condition D.1.6 in order to comply with 326 IAC 2-8 (FESOP).

(2) Maximum allowable PM emissions pursuant to 40 CFR 60.90, Subpart I as listed in condition D.1.2.
(3) Maximum allowable PM10 emissions in order to comply with 326 IAC 2-8 (FESOP) as listed in condition D.1.3.
(4) Potential to emit after controls.
(5) Maximum allowable VOC emissions in order to comply with 326 IAC 2-8 (FESOP) as listed in condition D.3.1.

County Attainment Status

The source is located in Shelby County.

Pollutant	Status
PM-10	attainment
SO_2	attainment
NO_2	attainment
Ozone	attainment
CO	attainment
Lead	attainment

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Shelby County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

(a) This source is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.90, Subpart I) because it meets the definition of a hot mix asphalt facility pursuant to the rule and it was constructed after June 11, 1973. This rule limits particulate matter emissions to 0.04 grains per dry standard cubic foot (gr/dscf) and also limits visible emissions to 20% opacity. This is equivalent to a particulate matter emission rate of 11.6 pounds per hour. The source will comply with this rule by using a baghouse to limit particulate matter emissions to less than 0.04 gr/dscf (see Appendix A, page 11 of 13, for detailed calculations).

(b) The new 20,000 gallon re-refined waste oil storage tank (Tank 14) is subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.110b, Subpart Kb) because the tank has a storage capacity greater than 75 cubic meters. However, since the tank has a storage capacity greater than 75 cubic meters but less than 151 cubic meters, and the liquid stored in the tank has a maximum true vapor pressure of less than 15.0 kPa, the tank is subject to only 40 CFR Part 60.116b, paragraphs (a) and (b), which require record keeping.

(c) There are no other New Source Performance Standards (NSPSs)(326 IAC 12 and 40 CFR Part 60) applicable to this modification.

(d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source or modification.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deteriorations (PSD))

This modification is not subject to the requirements of this rule. The existing source was an existing minor PSD source. As shown in the Potential to Emit After Issuance table on page 3 above, the allowable emissions of all regulated pollutants, except PM, are less than 100 tons per

year after application of all federally enforceable emission limits. The allowable emissions of PM are less than 250 tons per year after application of all federally enforceable emission limits. Therefore the requirements of 326 IAC 2-2 (PSD) do not apply. This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2.

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting), which would require the source to submit an annual emission statement. Pursuant to this rule, any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is enforceable. This source, which is located in Shelby County, has accepted federally enforceable operation conditions which limit emissions of PM-10, SO_2, and VOC to below 100 tons per year per pollutant, therefore, 326 IAC 2-6 does not apply.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, the following limits apply:

(a) the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the 135 MMBtu per hour aggregate dryer burner shall be limited to 1,566,077 U.S. gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, so that SO_2 emissions are limited to less than 100 tons per year.

(b) the usage of natural gas and natural gas equivalents in the 135 MMBtu per hour aggregate dryer burner shall be limited to 936.2 million cubic feet per twelve (12) consecutive month period, with compliance determined at the end of each month, so that NOx emissions are limited to less than 100 tons per year.

(c) the use of gelled asphalt with solvent liquid binder shall not exceed 3,244 tons of VOC solvent per twelve (12) consecutive month period, with compliance determined at the end of each month, so that VOC emissions are limited to less than 100 tons per year.

(d) PM-10 emissions from the aggregate dryer shall be limited to 0.037 pound PM-10 per ton of asphalt mix equivalent to 14.71 pounds per hour. The source will comply with the PM-10 emission limit by utilizing a baghouse for controlling PM-10 emissions to less than 14.71 pounds per hour from the aggregate dryer.

Therefore, the requirements of 326 IAC 2-7 do not apply.

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is subject to 326 IAC 6-5 for fugitive particulate matter emissions. Pursuant to 326 IAC 6-5, for any new source which has not received all the necessary preconstruction approvals before December 13, 1985, a fugitive dust control plan must be submitted, reviewed and approved. The fugitive dust control plan for this source is already included in the FESOP and shall remain

unchanged.

State Rule Applicability - Individual Facilities

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the aggregate mixing and drying operation will emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 6-3-2 (Process Operations)

The aggregate mixing and drying operation is not subject to the requirements of 326 IAC 6-3-2. This rule does not apply if the limitation established in the rule is less stringent than applicable limitations in 326 IAC 6-1 or 326 IAC 12. Since the applicable PM emission limit established by 326 IAC 12, 40 CFR 60, Subpart I (11.6 pounds per hour), is less than the PM limit that would be established by 326 IAC 6-3-2 (66.31 pounds per hour, see Appendix A, page 11 of 13), the more stringent limit applies and the limit pursuant to 326 IAC 6-3-2 does not apply.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The sulfur dioxide emissions from the 135.0 MMBtu/hr dryer burning distillate oil shall be limited to 0.5 lb/MMBtu heat input. This equates to a fuel oil sulfur content limit of 0.5%. Therefore, the sulfur content of the fuel must be less than or equal to 0.5% in order to comply with this rule (See Appendix A, Page 11 of 13 for detailed calculations). The source will comply with this rule by using No. 2 distillate oil with a sulfur content of 0.5% or less. The sulfur dioxide emissions from the 135.0 MMBtu/hr dryer burning re-refined waste oil shall be limited to 1.6 lb/MMBtu/hr heat input. This equates to a fuel oil sulfur content limit of 1.3%. Therefore, the sulfur content of the fuel must be less than or equal to 1.3% in order to comply with this rule (See Appendix A, Page 11 of 13 for detailed calculations). The source will comply with this rule by using re-refined waste oil with a sulfur content of 0.75%.

326 IAC 7-2-1 (Sulfur Dioxide Reporting Requirements)

This source is subject to 326 IAC 7-2-1 (Reporting Requirements). This rule requires the source to submit to the Office of Air Quality upon request records of sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates based on a calendar-month average.

329 IAC 13-8 (Used Oil Requirements)

(a) Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:

(1) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification),

(2) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and

(3) Maintain records pursuant to 329 IAC 13-8-6 (Tracking).

(b) The waste oil burned in the dryer/mixer burner shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). The burning of mixtures of used oil and hazardous waste that is regulated by 329 IAC 3.1 is prohibited at this source.

Testing Requirements

Since the source last performed PM and PM-10 testing at this source in September, 1999, condition D.1.8 of the FESOP is revised to require testing during a period that is 5 years after the last test and that will allow the source to test at maximum capacity. PM, PM-10, and opacity

testing will be required between May, 2004 and November, 2004. The new aggregate dryer burner and drum mix dryer will be installed prior to testing.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements already included in the FESOP will remain unchanged.

Changes Proposed

The following changes have been made to the Federally Enforceable State Operating Permit (F145-14096-03230) (additions are shown in bold, deletions are shown in strikeout):

1. Section A.2 of the FESOP has been revised to include the new aggregate dryer burner, the new drum mixer, and the increased throughput of the source as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) one (1) aggregate **counter flow** drum mix dryer, identified as emission unit No. 2, with a maximum capacity of ~~350~~ **400** tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of ~~96.0~~ **135.0** million (MM) British thermal units (Btu) per hour using No. 2 distillate fuel oil and re-refined waste oil as back-up fuels and one (1) baghouse system for air pollution control, exhausting at one (1) stack, identified as S-1;
(b) one (1) drag slat conveyor, three (3) feed conveyors, and one (1) screen;
(c) one (1) liquid asphalt storage tank, identified as Tank 10, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as V-3; and
(d) cold-mix (stockpile mix) asphalt storage piles.

2. Section A.3 of the FESOP has been revised to include the new 20,000 gallon re-refined waste oil storage tank (Tank 14) which replaced the existing 10,000 gallon re-refined waste oil storage tank, also identified as Tank 14, as follows:

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) one (1) No. 2 distillate fuel oil fired asphalt storage tank heater, identified as emission unit No. 11, rated at 0.45 MMBtu per hour using natural gas as back-up fuel, and exhausting at

two (2) stacks, identified as S-2A, and S-2B;

(b) one (1) No. 2 distillate fuel oil fired hot oil heater, identified as emission unit No. 13, rated at 1.25 MMBtu per hour using natural gas as back-up fuel, exhausting at one (1) stack, identified as S-4;
(c) one (1) cold feed system consisting of six (6) compartments with a total aggregate holding capacity of 150 tons;
(d) two (2) hot mix asphalt cement storage silos, each with a maximum storage capacity of 100 tons;
(e) one (1) Recycled Asphalt Pavement (RAP) feed bin with a holding capacity of 18 tons;
(f) two (2) liquid asphalt storage tanks, identified as Tank 12 and Tank 16, with respective maximum storage capacities of 22,000 and 30,000 gallons, with emissions exhausting through Stacks V-5 and V-8, respectively;
(g) two (2) re-refined waste oil storage tanks, identified as Tanks 14 and 15, ~~each~~ with ~~a~~ **respective** maximum storage capacity~~y~~**ies** of **20,000 and** 10,000 gallons, and each exhausting at one (1) stack, identified as V-6 and V-7, respectively;
(h) aggregate storage piles, with a maximum storage capacity of 30,300 tons;
(i) RAP storage piles, with a maximum storage capacity of 30,000 tons;
(j) propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than 6.0 MMBtu per hr;
(k) combustion source flame safety purging on startup;
(l) Volatile Organic Compound (VOC) and Hazardous Air Pollutant (HAP) storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons;
(m) vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
(n) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
(o) degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 (parts washer using non-HAP Safety Kleen or Crystal Clean solvent);
(p) cleaners and solvents having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (1001F) or; having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 201C (681); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
(q) closed loop heating and cooling systems;
(r) paved and unpaved roads and parking lots with public access; and
(s) a laboratory as defined in 326 IAC 2-7-1(20)(C).

3. The facility description box in section D.1 has also been revised to include the new aggregate dryer burner, the new drum mixer, and the increased throughput of the source as follows:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:
(a) one (1) aggregate **counter flow** drum mix dryer, identified as emission unit No. 2, with a maximum capacity of ~~350~~ **400** tons per hour, equipped with one (1) natural gas fired aggregate dryer burner with a maximum rated capacity of ~~96.0~~ **135.0** million (MM) British thermal units (Btu) per hour using No. 2 distillate fuel oil and re-refined waste oil as back-up fuels and one (1) baghouse system for air pollution control, exhausting at one (1) stack, identified as S-1;
(b) one (1) drag slat conveyor, three (3) feed conveyors, and one (1) screen;

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

4. Conditions D.1.3, D.1.5, D.1.6, D.1.9, and D.1.15 have been revised to include the new equipment and revised limits to comply with 326 IAC 2-8 (FESOP) as follows:

D.1.3 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate mixing and drying operation shall not exceed ~~0.042~~ **0.037** pound of PM-10 per ton of asphalt mix. This is equivalent to a PM-10 emission limit of ~~14.76~~ **14.71** pounds per hour, including both filterable and condensible fractions. Based on 8,760 hours of operation per 12 consecutive month period, this limits PM-10 emissions from the aggregate mixing and drying operation to ~~64.6~~ **64.4** tons per year for a source-wide total potential to emit of less than 100 tons per year. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.5 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1][326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the ~~96.0~~ **135.0** million Btu per hour burner for the aggregate dryer shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.5% when using distillate oil.

(a) Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the ~~96.0~~ **135.0** million Btu per hour burner for the aggregate dryer shall be limited to 1.6 pounds per million Btu heat input or a sulfur content of less than or equal to 1.3 percent when using re-refined waste oil. The source has accepted a sulfur content limit of 0.75 percent for re-refined waste oil.

(b) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.1.6 Fuel Usage [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4(1), the following limits shall apply:

(a) the sulfur content of the re-refined waste oil used in the ~~96.0~~ **135.0** MMBtu per hour burner for the aggregate dryer shall not exceed 0.75 percent.

(b) the usage of re-refined waste oil with a sulfur content of 0.75% and re-refined waste oil equivalents in the ~~96.0~~ **135.0** MMBtu per hour burner for the aggregate dryer shall be limited to ~~1,729,342~~ **1,566,077** U.S. gallons per twelve (12) consecutive month period, ~~rolled on a monthly basis~~ **with compliance determined at the end of each month**, so that SO_2 emissions are limited below 100 tons per year.

(c) the usage of natural gas and natural gas equivalents in the 135 MMBtu per hour aggregate dryer burner shall be limited to 936.2 million cubic feet per twelve (12) consecutive month period, with compliance determined at the end of each month, so that NOx emissions are limited to less than 100 tons per year.

~~(c)~~**(d)** For purposes of determining compliance, the following shall apply:

(1) every MMCF of natural gas burned shall be equivalent to 5.4 gallons of re-refined waste oil based on SO_2 emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified; ~~and~~

(2) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to ~~626~~ **712** gallons of re-refined waste oil based on SO_2 emissions, such that the total gallons of re-refined waste oil and re-refined waste oil equivalent input does not exceed the limit specified.

(3) every 1,000 gallons of No. 2 distillate fuel oil burned shall be equivalent to 0.126 MMCF of natural gas burned based on NOx emissions, such that the total MMCF of natural gas and natural gas equivalent input does not

exceed the limit specified; and

(4) every 1,000 gallons of re-refined waste oil burned shall be equivalent to 0.1 MMCF of natural gas burned based on NOx emissions, such that the total MMCF of natural gas and natural gas equivalent input does not exceed the limit specified.

Therefore, the requirements of 326 IAC 2-7 will not apply.

D.1.9 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input when burning No. 2 distillate fuel oil and 1.6 pounds per million But heat input when burning re-refined waste oil by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the ~~96.0~~ **135.0** MMBtu per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.15 Record Keeping Requirements

(a) To document compliance with Conditions D.1.5 and D.1.6, the Permittee shall maintain records in accordance with (1) through ~~(6)~~**(7)** below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual re-refined waste oil and re-refined waste oil equivalent usage per month since last compliance determination period and equivalent SO_2 emissions;

(3) Actual natural gas and natural gas equivalent usage per month since last compliance determination period and equivalent NOx emissions;

~~(3)~~**(4)** A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

~~(4)~~**(5)** Fuel supplier certifications.

~~(5)~~**(6)** The name of the fuel supplier; and

~~(6)~~**(7)** A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.1.11, the Permittee shall maintain records of visible emission notations of the aggregate dryer/burner baghouse stack exhaust once per shift.

(c) To document compliance with Condition D.1.12, the Permittee shall maintain the following:

(1) ~~Weekly~~ **Once per shift** records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle operation.

(d) To document compliance with Condition D.1.13, the Permittee shall maintain records of the results of the inspections required under Condition D.1.13.

(e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

5. Since the source last performed PM and PM-10 testing at this source in September, 1999, condition D.1.8 is revised to require testing during a period that is 5 years after the last test and that will allow the source to test at maximum capacity as follows:

D.1.8 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

(a) During the period between ~~30 and 36 months after issuance of this permit~~ **May, 2004 and November, 2004**, in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the Permittee shall perform PM and PM-10 testing utilizing methods per 40 CFR Part 60 Appendix A, Method 5 for PM and methods as approved by the Commissioner for PM-10. PM-10 includes filterable and condensible PM-10.

(b) Opacity testing **shall be performed** utilizing 40 CFR Part 60 Appendix A, Method 9, to demonstrate compliance with the opacity limitation of Condition D.1.4.

This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

6. Section D.2 is revised to include the new 20,000 gallon re-refined waste oil storage tank as follows:

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) one (1) liquid asphalt storage tank, identified as Tank 10, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as V-3.

(b) one (1) 30,000 gallon liquid asphalt storage tank, identified as Tank 16, with emissions exhausting through Stack V-8.

(c) one (1) re-refined waste oil storage tank, identified as Tank 14, with a maximum storage capacity of 20,000 gallons, and exhausting at one (1) stack, identified as V-6.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the owner or operator shall, for Tanks 10**,** ~~and~~ 16, **and 14,** keep readily accessible records showing the dimension and capacity of the storage tanks.

Said records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit except that the records shall be kept for the life of the respective tanks.

7. OAQ has decided to move the provision that is required by 326 IAC 2-8-4(5) from condition B.10 to the front of the permit. Therefore, condition B.10 has been deleted and the requirements of that condition have been added to the front page of the permit.

~~B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]~~

~~(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:~~

~~(1) Enforcement action;~~

~~(2) Permit termination, revocation and reissuance, or modification; and~~

~~(3) Denial of a permit renewal application.~~

~~(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.~~

~~(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B, Emergency Provisions.~~

8. The general provisions; term of permit rule cite was added to B.3 Permit Term. In order to avoid confusion for renewals as to what “original” date IDEM is referring to, the following change has been made:

B.3 Permit Term [326 IAC 2-8-4(2)] **[326 IAC 2-1.1-9.5]**

This permit is issued for a fixed term of five (5) years from the ~~original~~ **issuance** date **of this permit**, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

9. The duty to supplement an application is not an ongoing requirement after the permit is issued; therefore, (a) has been removed from B.8, Duty to Supplement and Provide Information. Since B.8 (c), now (b), Duty to Supplement and Provide Information already addresses confidentiality, the last sentence of (b), now (a), was revised to remove the statement about confidential information, and (c), now (b), was updated for clarity. Also, the condition was revised to change a rule reference. Subpart (c), now (b), references 326 IAC 17. This rule was repealed by the Air Pollution Control Board on January 26, 2000. The condition is revised to read as follows:

B.8 Duty to ~~Supplement and~~ Provide Information ~~[326 IAC 2-8-3(f)]~~ [326 IAC 2-8-4(5)(E)]~~[326 IAC 2-8-5(a)(4)]~~

~~(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:~~

~~Indiana Department of Environmental Management~~
~~Permits Branch, Office of Air Quality~~
~~100 North Senate Avenue, P.O. Box 6015~~
~~Indianapolis, Indiana 46206-6015~~

~~The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(b)~~**(a)** The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit**.** ~~or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]~~

~~(c)~~**(b)** **For information furnished by the Permittee to IDEM, OAQ, t**~~T~~he Permittee may include a claim of confidentiality in accordance with 326 IAC 17**.1**. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

10. B.13 (b), now B.12(b), was revised to clarify that required record keeping needs to be implemented as well as the rest of the plan to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit. Also, (c) has been revised to clarify that OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The requirements to keep records of preventive maintenance in (d) has been moved to Section D. Because the general record keeping requirements (i.e. retained for 5 years) are in Section C, it is not necessary to include them in this condition or in the D condition. At some sources, an OMM Plan is required. Instead of having two separate plans, the OMM Plan may satisfy the PMP requirements, so (d) has been added to this condition.

B.13**2** Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information

on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) The Permittee shall implement the PMPs**, including any required record keeping,** as necessary to ensure that failure to implement a PMP does not cause or contribute to ~~a violation~~ **an exceedance** of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or ~~contributes to any violation~~ **is the primary contributor to an exceedance of any limitation on emissions or potential to emit**. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

~~(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

11. The requirement to include emergencies in the Quarterly Deviation and Compliance Monitoring Report has been moved from B.15 to B.14. In condition B.14, now B.13, Emergency Provisions, the statement at the end of (b)(4) has been removed, because this is stated again in (f).

B.14**3** Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to

minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

~~Failure to notify IDEM, OAQ, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]~~

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of

326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

12. Paragraph (c) has been removed from B.15, now B.14, Deviations from Permit Requirements and Conditions, then revised and incorporated in B.14, now B.13, Emergency Provisions.

B.15~~4~~ Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

~~(c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.~~

13. Paragraph (b) of condition B.18, now B.17, Permit Amendment or Revision, has been revised to replace "should" with "shall". Also, in order to clarify that an amendment or modification will not be required for the addition, operation or removal of a nonroad engine, an explanation (instructions) and (d) has been added to B.18, now B.17, Permit Amendment or Revision.

B.1~~8~~**7** Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015
Any such application ~~should~~ **shall** be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

14. In order to be consistent with 326 IAC 2-8-15(a)(5) the rule cite has been revised in B.19(a)(5), now B.18(a)(5), Operational Flexibility. Also, paragraph (b) has been removed, because this is a Part 70 requirement, but not a FESOP requirement.

B.1~~9~~**8** Operational Flexibility [326 IAC 2-8-15]**[326 IAC 2-8-11.1]**

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)**(2)**, (c)(1), and (d).

(b) ~~The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:~~

~~(1) A brief description of the change within the source;~~

~~(2) The date on which the change will occur;~~

~~(3) Any change in emissions; and~~

~~(4) Any permit term or condition that is no longer applicable as a result of the change.~~

~~The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.~~

~~(c)~~ Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

~~(d)~~**(c)** Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

15. For clarity, additional rule cites have been added to B.21, now B.20, Inspection and Entry.

B.2~~1~~**0** Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2]**[IC 13-17-3-2][IC13-30-3-1]**

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the

conditions of this permit;

(b) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have** ~~Have~~ access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect** ~~Inspect~~, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample** ~~Sample~~ or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) **As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize** ~~Utilize~~ any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

16. In condition B.22(c), now B.21(c),Transfer of Ownership or Operational Control, the rule cite has been corrected.

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-~~11~~ **10**(b)(3)]

17. 326 IAC 2-1.1-7 specifies that nonpayment may result in revocation of the permit. This is not specified in 326 IAC 2-8; therefore, this rule cite is being added to B.23, now B.22, Annual Fee Payment. Also, the section and phone number of whom the Permittee can contact has been corrected in (c).

B.2~~3~~**2** Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16]**[326 IAC 2-1.1-7]**

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-~~0425~~ **4320** (ask for OAQ, ~~Technical Support and Modeling Section~~ **I/M & Billing Section**), to determine the appropriate permit fee.

18. Condition C.2 has been revised to read as follows:

C.2 Particulate ~~Matter~~ Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour **[40 CFR 52 Subpart P]**[326 IAC 6-3-2~~(c)~~]

(a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2~~(c)~~**(e)(2)**, ~~the allowable~~ particulate ~~matter~~ emissions ~~rate~~ from any process not ~~already regulated by 326 IAC 6-1 or any New Source Performance Standard, and~~ **exempt under 326 IAC 6-3-1(b) or (c)** which has a maximum process weight rate less than 100 pounds per hour **and the methods in 326 IAC 6-3-2(b) through (d) do not apply** shall not exceed 0.551 pounds per hour.

19. C.10(e), Asbestos Abatements Projects, has been revised to correct the rule cite. Also, C.10 has been revised to clarify that the requirement to have an Indiana Accredited Asbestos inspector is not federally enforceable.

C.10 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4**1** emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and renovation

The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

~~(f)~~**(g)** Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. ~~The requirement that the inspector be accredited, pursuant to the provision of 40 CFR 61, Subpart M, is federally enforceable~~. **The requirement to use an Indiana Accredited Asbestos inspector be accredited is not federally enforceable.**

20. The following was added to C.12, Compliance Requirements, to state what OAQ does when stack testing, monitoring, or reporting is required to assure compliance with applicable requirements:

C.12 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements **by issuing an order under 326 IAC 2-1.1-11**. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

21. C.17, Risk Management Plan, has been revised so that it is more straightforward, and the condition requires the source to comply with the applicable requirements of 40 CFR 68 if a regulated substance is present at a source in more than a threshold quantity.

C.17 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.~~215~~]

If a regulated substance~~, subject to~~ **as defined in** 40 CFR 68, is present at a source in more than a threshold quantity, ~~40 CFR 68 is an applicable requirement and the Permittee shall submit:~~ **the Permittee most comply with the applicable requirements of 40 CFR 68**.

~~(a) A compliance schedule for meeting the requirements of 40 CFR 68; or~~

~~(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).~~

~~All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

22. C.18 (e), Compliance Response Plan - Preparation, Implementation, Records, and Reports, the rule cite was corrected to reflect the FESOP rules instead of the Title V rules. Also, failure to take reasonable response steps shall be considered deviation of the permit; therefore, (b)(4) was revised.

C.18 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

(b) (4) Failure to take reasonable response steps shall ~~constitute a violation of~~ **be considered a deviation from** the permit.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of ~~326 IAC 2-7-16~~ **326 IAC 2-8-12**(Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

23. In order to clarify which documents need to be certified by an authorized individual, the following update has been made:

C.19 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The **response action** documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

24. It is acceptable for records to be electronically accessible instead of being physically present at a source; therefore, the following update has been made:

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required **monitoring** data, reports and support information **required by this permit** shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be ~~kept~~ **physically present or electronically accessible** at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(e) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

25. C.21 (d), General Reporting Requirements, has been revised to indicate all forms instead of the quarterly reports.

(d) Unless otherwise specified in this permit, ~~any quarterly~~ **all** report**s** required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. ~~The~~ **All** reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

26. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, is considered a deviation from the permit, not a violation of the permit. Therefore, conditions D.1.11 and D.1.12 have been revised as follows:

D.1.11 Visible Emissions Notations

(a) Visible emission notations of the aggregate dryer/burner baghouse stack exhaust, and the conveyors, transfer points, aggregate storage piles, and unpaved roads shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a ~~violation of~~ **deviation from** this permit.

D.1.12 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the aggregate dryer/burner, at least once per shift when the aggregate dryer/burner is in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with

Section C- Compliance Response Plan-Failure to Take Response Steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a ~~violation of~~ **deviation from** this permit.
The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

27. The OAQ has decided that rather than require an emission unit to automatically shutdown when a broken bag occurs that causes visible emissions, the OAQ would instead require the Permittee to notify the OAQ if they determine the broken bag will not be fixed within 10 days. The notification would tell the OAQ when they expect to fix the problems. Once OAQ receives the notification, a decision can be made whether to require the source to do a stack test. Therefore, condition D.1.14 has been revised as follows:

D.1.14 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. ~~Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions).~~ Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a ~~violation of~~ **deviation from** this permit. **If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

(b) For single compartment baghouses, **if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then** failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

28. Condition D.3.1 has been revised to reflect the revised VOC limit for cold-mix (stockpile mix) asphalt storage piles as follows:

D.3.1 Volatile Organic Compound (VOC) [326 IAC 2-8-4]

Gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt shall not exceed ~~3,331~~ **3,244** tons of VOC solvent per twelve (12) consecutive month period. This is equivalent to limiting the VOC emitted from solvent use to ~~83.28~~ **81.11** tons per twelve (12) consecutive month period, based on the following definition:

Other asphalt with solvent binder, containing a maximum 25.9% of the liquid binder of VOC solvent and 2.5% by weight of the VOC solvent evaporating.

Therefore, the requirements of 326 IAC 2-7 will not apply.

29. The first sentence of the Quarterly Deviation and Compliance Monitoring Report is being removed, because it poses a conflict with the provisions that require an annual certification.

Quarterly Deviation and CM Report

~~This report is an affirmation that the source has met all the requirements stated in this permit.~~ This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked “No deviations occurred this reporting period”.

Conclusion

This permit revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 145-18237-03250.

Company Name:	Milestone Contractors, L.P.
Plant Location:	201 East Rampart Street, Shelbyville, IN 46176
County:	Shelby
Date Received:	10/15/03
Permit Reviewer:	Trish Earls

**** aggregate dryer burner****

The following calculations determine the amount of emissions created by natural gas combustion, from the aggregate dryer burner, based on 8,760 hours of operation and US EPA's AP-42, 5th Edition, Section 1.4 - Natural Gas Combustion, Tables 1.4-1 and 1.4-2.

Criteria Pollutant: 135 MMBtu/hr * 8,760 hr/yr * Ef (lb/MMcf) = (ton/yr)
1000 Btu/cf * 2,000 lb/ton

P M:	1.9	lb/MMcf =	**1.12**	**ton/yr**
P M-10:	7.6	lb/MMcf =	**4.49**	**ton/yr**
S O 2:	0.6	lb/MMcf =	**0.35**	**ton/yr**
N O x:	190.0	lb/MMcf =	**112.35**	**ton/yr**
V O C:	5.5	lb/MMcf =	**3.25**	**ton/yr**
C O:	84.0	lb/MMcf =	**49.67**	**ton/yr**

The following calculations determine the amount of emissions created by the combustion of #2 distillate fuel oil @ 0.50 % sulfur, from the aggregate dryer burner, based on 8,760 hours of use and US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Tables 1.3-1, 1.3-2, and 1.3-3.

Criteria Pollutant: 135 MMBtu/hr * 8,760 hr/yr * Ef (lb/1,000 gal) = (ton/yr)
140,000 Btu/gal * 2,000 lb/ton

P M:	2.0	lb/1000 gal =	**8.45**	**ton/yr**
P M-10:	3.3	lb/1000 gal =	**13.94**	**ton/yr**
S O 2:	78.5	lb/1000 gal =	**331.55**	**ton/yr**
N O x:	24.0	lb/1000 gal =	**101.37**	**ton/yr**
V O C:	0.20	lb/1000 gal =	**0.84**	**ton/yr**
C O:	5.0	lb/1000 gal =	**21.12**	**ton/yr**

The following calculations determine the amount of emissions created by re-refined waste oil @ 0.75 % sulfur, 0.947 % ash, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 1.11 - Waste Oil Combustion, Tables 1.11-1, 1.11-2, and 1.11-3.

Criteria Pollutant: 135 MMBtu/hr * 8760 hr/yr * Ef (lb/1000 gal) = (ton/yr)
120,000 Btu/gal * 2000 lb/ton

P M:	60.6	lb/1000 gal =	**298.65**	**ton/yr**
P M-10:	48.3	lb/1000 gal =	**237.98**	**ton/yr**
S O 2:	110.3	lb/1000 gal =	**543.26**	**ton/yr**
N O x:	19.0	lb/1000 gal =	**93.62**	**ton/yr**
V O C:	1.0	lb/1000 gal =	**4.93**	**ton/yr**
C O:	5.0	lb/1000 gal =	**24.64**	**ton/yr**

The maximum potential emissions from the aggregate dryer burner due to fuel combustion are the following:

Criteria Pollutant:			**Worst Case Fuel**
P M:	**298.65**	**ton/yr**	Re-refined Waste Oil
P M-10:	**237.98**	**ton/yr**	Re-refined Waste Oil
S O 2:	**543.26**	**ton/yr**	Re-refined Waste Oil
N O x:	**112.35**	**ton/yr**	Natural Gas
V O C:	**4.93**	**ton/yr**	Re-refined Waste Oil
C O:	**49.67**	**ton/yr**	Natural Gas

**** miscellaneous combustion sources****

This facility possesses various combustion sources, including a 1.25 MMBtu/hr hot oil heater and a 0.45 MMBtu/hr tank heater, which can combust either natural gas or No. 2 fuel oil.

The following calculations determine the amount of emissions created by the combustion of #2 distillate fuel oil @ 0.49 % sulfur, based on 8,760 hours of use and US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Tables 1.3-1, 1.3-2, and 1.3-3.

Criteria Pollutant: 1.7 MMBtu/hr * 8,760 hr/yr / 140,000 Btu/gal * 2,000 lb/ton * Ef (lb/1,000 gal) = (ton/yr)

P M:	2.0	lb/1000 gal =	**0.11 ton/yr**
P M-10:	3.3	lb/1000 gal =	**0.18 ton/yr**
S O 2:	69.0	lb/1000 gal =	**3.67 ton/yr**
N O x:	20.0	lb/1000 gal =	**1.06 ton/yr**
V O C:	0.34	lb/1000 gal =	**0.02 ton/yr**
C O:	5.0	lb/1000 gal =	**0.27 ton/yr**

The following calculations determine the amount of emissions created by natural gas combustion, based on 8,760 hours of operation and US EPA's AP-42, 5th Edition, Section 1.4 - Natural Gas Combustion, Tables 1.4-1 and 1.4-2.

Criteria Pollutant: 1.7 MMBtu/hr * 8,760 hr/yr / 1000 Btu/cf * 2,000 lb/ton * Ef (lb/MMcf) = (ton/yr)

P M:	1.9	lb/MMcf =	**0.01 ton/yr**
P M-10:	7.6	lb/MMcf =	**0.06 ton/yr**
S O 2:	0.6	lb/MMcf =	**0.00 ton/yr**
N O x:	100.0	lb/MMcf =	**0.74 ton/yr**
V O C:	5.5	lb/MMcf =	**0.04 ton/yr**
C O:	84.0	lb/MMcf =	**0.63 ton/yr**

The maximum potential emissions of the miscellaneous combustion sources are the following:

Criteria Pollutant:			**Worst Case Fuel**
P M:	**0.11**	**ton/yr**	No. 2 Fuel Oil
P M-10:	**0.18**	**ton/yr**	No. 2 Fuel Oil
S O 2:	**3.67**	**ton/yr**	No. 2 Fuel Oil
N O x:	**1.06**	**ton/yr**	No. 2 Fuel Oil
V O C:	**0.04**	**ton/yr**	Natural Gas
C O:	**0.63**	**ton/yr**	Natural Gas

*** * aggregate drying: drum-mix plant * ***

The following calculations determine the amount of worst case emissions created by aggregate drying before controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Tables 11.1-5 and 11.1-10 for a drum mix dryer which has the capability of combusting either fuel oil or natural gas:

Potential emissions from increase in throughput from 350 tons/hr to 400 tons per hour:

Pollutant: Ef lb/ton x 50 / 2,000 lb/ton x ton/hr x 8,760 hr/yr

Criteria Pollutant:

P M:	28	lb/ton =	**6,132.00 ton/yr**
P M-10:	6.5	lb/ton =	**1,423.50 ton/yr**
VOC:	8.72E-03	lb/ton =	**1.91 ton/yr**

Potential emissions from maximum throughput of source:

Pollutant: Ef lb/ton x 400 / 2,000 lb/ton x ton/hr x 8,760 hr/yr

Criteria Pollutant:

P M:	28	lb/ton =	**49,056.00 ton/yr**
P M-10:	6.5	lb/ton =	**11,388.00 ton/yr**
VOC:	8.72E-03	lb/ton =	**15.27 ton/yr**

The VOC emission factor represents the sum of the HAP emission factors from the dryer which were assumed to be VOC.

*** * conveying / handling * ***

The following calculations determine the amount of emissions created by material handling, based on 8.760 hours of use and AP-42, Section 13.2.4, Equation 1. The emission factor for calculating PM emissions is calculated as follows:

PM-10 Emissions:

E = k*(0.0032)*(((U/5)^1.3)/((M/2)^1.4))
= 9.69E-04 lb PM-10/ton
2.05E-03 lb PM/ton

where k =	0.35	(particle size multiplier for <10um)
	0.74	(particle size multiplier for <30um)
U =	12	mph mean wind speed
M =	5.0	material moisture content (%)

400 ton/hr * 8,760 hrs/yr * Ef (lb/ton of material) = (ton/yr)
2,000 lb/ton

Total PM 10 Emissions: 1.70 tons/yr
Total PM Emissions: 3.59 tons/yr

*** * unpaved roads * ***

The following calculations determine the amount of emissions created by vehicle traffic on unpaved roads, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 13.2.2.2.

I. Semi-Tanker

0.73 trip/hr x
0.26 mile/trip x
2 (round trip) x
8,760 hr/yr = 3325.296 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)
= 1.26 lb PM-10/mile
= 5.96 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10)	(k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads	
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)	
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)	
W =	24	tons average vehicle weight	
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)	
S =	10.0	mph speed limit	
p =	125.0	number of days with at least 0.01 in. of precipitation per year	

PM-10: 1.26 lb/mi x 3325.296 mi/yr = / 2000 lb/ton = **2.09 tons/yr**

PM: 5.96 lb/mi x 3325.296 mi/yr = / 2000 lb/ton = **9.90 tons/yr**

*** * unpaved roads * ***

II. Triaxle Dump Trucks

13.33	trip/hr	x
0.16	mile/trip	x
2	(round trip)	x
8,760	hr/yr =	37366.656 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)

= 1.26 lb PM-10/mile

= 5.96 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10)	(k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads	
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)	
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)	
W =	24	tons average vehicle weight	
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)	
S =	10.0	mph speed limit	
p =	125.0	number of days with at least 0.01 in. of precipitation per year	

PM-10: 1.26 lb/mi x 37366.656 mi/yr = **23.50 tons/yr**
2000 lb/ton

PM: 5.96 lb/mi x 37366.656 mi/yr = **111.29 tons/yr**
2000 lb/ton

III. Tandem Axle Dump Trucks

2.33	trip/hr	x
0.16	mile/trip	x
2	(round trip)	x
8,760	hr/yr =	6531.456 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)

= 1.10 lb PM-10/mile

= 5.01 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10)	(k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads	
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)	
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)	
W =	17	tons average vehicle weight	
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)	
S =	10.0	mph speed limit	
p =	125.0	number of days with at least 0.01 in. of precipitation per year	

PM-10: 1.10 lb/mi x 6531.456 mi/yr = **3.58 tons/yr**
2000 lb/ton

PM: 5.01 lb/mi x 6531.456 mi/yr = **16.37 tons/yr**
2000 lb/ton

*** * unpaved roads * ***

IV. Triaxle Dump Trucks

13.83	trip/hr x	
0.06	mile/trip x	
2	(round trip) x	
8,760	hr/yr =	14538.096 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)
= 1.26 lb PM-10/mile
= 5.96 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10)	(k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads	
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)	
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)	
W =	24	tons average vehicle weight	
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)	
S =	10.0	mph speed limit	
p =	125.0	number of days with at least 0.01 in. of precipitation per year	

PM-10: 1.26 lb/mi x 14538.096 mi/yr = / 2000 lb/ton = **9.14 tons/yr**

PM: 5.96 lb/mi x 14538.096 mi/yr = / 2000 lb/ton = **43.30 tons/yr**

V. Single Axle Dump Trucks

4.38	trip/hr x	
0.16	mile/trip x	
2	(round trip) x	
8,760	hr/yr =	12278.016 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)
= 0.95 lb PM-10/mile
= 4.21 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10)	(k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads	
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)	
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)	
W =	12	tons average vehicle weight	
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)	
S =	10.0	mph speed limit	
p =	125.0	number of days with at least 0.01 in. of precipitation per year	

PM-10: 0.95 lb/mi x 12278.016 mi/yr = / 2000 lb/ton = **5.85 tons/yr**

PM: 4.21 lb/mi x 12278.016 mi/yr = / 2000 lb/ton = **25.86 tons/yr**

*** * unpaved roads * ***

VI. Front End Loader

6.22 trip/hr x
0.02 mile/trip x
2 (round trip) x
8,760 hr/yr = 2179.488 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)
= 1.30 lb PM-10/mile
= 6.20 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10) (k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)
W =	26	tons average vehicle weight
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)
S =	10.0	mph speed limit
p =	125.0	number of days with at least 0.01 in. of precipitation per year

PM-10: 1.30 lb/mi x 2179.488 mi/yr = **1.42 tons/yr**
2000 lb/ton

PM: 6.20 lb/mi x 2179.488 mi/yr = **6.76 tons/yr**
2000 lb/ton

VII. Front End Loader

43.03 trip/hr x
0.04 mile/trip x
2 (round trip) x
8,760 hr/yr = 30155.424 miles per year

Ef = k*[(s/12)^0.8]*[(W/3)^b]/[(M/0.2)^c]*[(365-p)/365]*(S/15)
= 1.30 lb PM-10/mile
= 6.20 lb PM/mile

where k =	2.6	(particle size multiplier for PM-10) (k=10 for PM-30 or TSP)
s =	4.8	mean % silt content of unpaved roads
b =	0.4	Constant for PM-10 (b = 0.5 for PM-30 or TSP)
c =	0.3	Constant for PM-10 (c = 0.4 for PM-30 or TSP)
W =	26	tons average vehicle weight
M =	0.2	surface material moisture content, % (default is 0.2 for dry conditions)
S =	10.0	mph speed limit
p =	125.0	number of days with at least 0.01 in. of precipitation per year

PM-10: 1.30 lb/mi x 30155.424 mi/yr = **19.59 tons/yr**
2000 lb/ton

PM: 6.20 lb/mi x 30155.424 mi/yr = **93.48 tons/yr**
2000 lb/ton

Total PM Emissions From Unpaved Roads = 306.97 tons/yr

Total PM-10 Emissions From Unpaved Roads = 65.17 tons/yr

*** * storage * ***

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

Material	Silt Content (wt %)	Pile Size (acres)	Storage Capacity (tons)	P M Emissions tons/yr	P M-10 Emissions tons/yr
Stone	0.8	0.92	20,000	0.16	0.05
Sand	1.2	0.24	6,000	0.06	0.02
Gravel	0.6	0.11	2,300	0.01	0.00
Slag	1.2	0.09	2,000	0.02	0.01
RAP	0.2	1.38	30,000	0.06	0.02
Total				**0.31**	**0.11**

Sample Calculation:

Ef = 1.7*(s/1.5)*(365-p)/235*(f/15)
= 0.93 lb/acre/day
where s = 0.8 % silt
p = 125 days of rain greater than or equal to 0.01 inches
f = 15 % of wind greater than or equal to 12 mph

Ep (storage) = Ef * sc * (20 cuft/ton) * (365 day/yr) / (2,000 lb/ton)*(43,560 sqft/acre)*(10 ft)
where sc = 20,000 tons storage capacity

PM = 0.16 tons/yr P M-10: 35% of PM = 0.05 tons/yr

*** *cold mix VOC storage emissions * ***

The following calculations determine the amount of VOC emissions created by the application of stockpile mix containing gelled asphalt, of which is 2.5% by weight of VOC is evaporated, based on 8,760 hours of use.

VOC Emission Factor = 0.025 weight percent flash-off of VOC solvent
Potential Binder Throughput (tons/yr) = 3,504,000 tons/yr stockpile mix

Potential VOC Emissions (tons/yr) = Potential Throughput (tons/yr) * wt percent flash-off
Potential VOC Emissions = 876.00 tons/yr

*** * summary of modification emissions before controls * ***

Criteria Pollutants:

P M:	**6,430.65**	**ton/yr**	
P M-10:	**1,661.48**	**ton/yr**	
S O 2:	**543.26**	**ton/yr**	
N O x:	**112.35**	**ton/yr**	
V O C:	**6.84**	**ton/yr**	(VOCs include HAPs from aggregate drying operation)
C O:	**49.67**	**ton/yr**	

*** * summary of source emissions before controls * ***

Criteria Pollutants:

P M:	**49,665.62**	**ton/yr**	
P M-10:	**11,693.14**	**ton/yr**	
S O 2:	**546.93**	**ton/yr**	
N O x:	**113.41**	**ton/yr**	
V O C:	**896.24**	**ton/yr**	(VOCs include HAPs from aggregate drying operation)
C O:	**50.29**	**ton/yr**	

*** * source emissions after controls * ***

Pursuant to the FESOP program, this facility must limit PM-10, SO2, NOx and VOC emissions to less than 100.0 tons per year. Consequently, SO2 emissions from the aggregate dryer shall be limited to 86.33 tons per year (90.0 ton/yr - 3.67 ton/yr from the miscellaneous combustion sources). NOx emissions from the aggregate dryer shall be limited to 88.94 tons per year (90.0 tons/yr - 1.06 tons/yr from the misc. combustion sources). Note that the source requested SO2 and NOx emissions be limited to 90 tons per year to comply with 326 IAC 2-8 and to allow for future modifications.

* Emissions of PM and PM-10 from aggregate drying operations are controlled with a 99.900 % control efficiency.

The following calculations determine the amount of emissions created by natural gas combustion based on a maximum fuel usage of 936,210,526 cf

Natural Gas: 936.211 MMcf/yr / 2,000 lb/ton * Ef (lb/MMcf) = (ton/yr)

P M:	1.9	lb/MMcf =	**8.9E-04**	**ton/yr ***
P M-10:	7.6	lb/MMcf =	**3.6E-03**	**ton/yr ***
S O 2:	0.6	lb/MMcf =	**0.28**	**ton/yr**
N O x:	190.0	lb/MMcf =	**88.94**	**ton/yr**
V O C:	5.5	lb/MMcf =	**2.57**	**ton/yr**
C O:	84.0	lb/MMcf =	**39.32**	**ton/yr**

The following calculations determine the amount of emissions created by No.2 distillate fuel oil @ 0.50 % sulfur based on a fuel usage limitation of 2,199,490 gal/yr:

No. 2 Distillate Oil: 2,199,490 gal/yr / 2,000 lb/ton * Ef (lb/1,000 gal) = (ton/yr)

P M:	2.0	lb/1000 gal =	**2.2E-03**	**ton/yr ***
P M-10:	3.3	lb/1000 gal =	**3.6E-03**	**ton/yr ***
S O 2:	78.5	lb/1000 gal =	**86.33**	**ton/yr**
N O x:	24.0	lb/1000 gal =	**26.39**	**ton/yr**
V O C:	0.2	lb/1000 gal =	**0.22**	**ton/yr**
C O:	5.0	lb/1000 gal =	**5.50**	**ton/yr**

The following calculations determine the amount of emissions created by re-refined waste oil @ 0.75 % sulfur based on a fuel usage limitation of 1,566,077 gal/yr:

Waste Oil: 1,566,077 gal/yr / 2000 lb/ton * Ef (lb/1000 gal) = (ton/yr)

P M:	60.6	lb/1000 gal =	**0.05**	**ton/yr ***
P M-10:	48.3	lb/1000 gal =	**0.04**	**ton/yr ***
S O 2:	110.3	lb/1000 gal =	**86.33**	**ton/yr**
N O x:	19.0	lb/1000 gal =	**14.88**	**ton/yr**
V O C:	1.0	lb/1000 gal =	**0.78**	**ton/yr**
C O:	5.0	lb/1000 gal =	**3.92**	**ton/yr**

Criteria Pollutant:			**Worst Case Fuel**
P M:	**0.05**	**ton/yr ***	Re-refined Waste Oil
P M-10:	**0.04**	**ton/yr ***	Re-refined Waste Oil
S O 2:	**86.33**	**ton/yr**	No. 2 Fuel Oil / Re-refined Waste Oil
N O x:	**88.94**	**ton/yr**	Natural Gas
V O C:	**2.57**	**ton/yr**	Natural Gas
C O:	**39.32**	**ton/yr**	Natural Gas

*** * source emissions after controls * ***

Fuel Usage Limitations

Natural Gas:

88.94	tons NOx/year limited	*	1182.60	MMCF	=	936.21	MMCF
112.35	tons NOx/year potential			year potential			year limited

Fuel Oil: #2 distillate fuel oil

86.33	tons SO2/year limited	*	8447.14	Kgals	=	2199.490	Kgals
331.55	tons SO2/year potential			year potential			year limited

Fuel Oil: re-refined waste oil

86.33	tons SO2/year limited	*	9855.00	Kgals	=	1566.077	Kgals
543.26	tons SO2/year potential			year potential			year limited

Fuel equivalence for natural gas is determined from the limiting pollutant, NOx, as follows:

24.0	lb/1000 gal =	0.126	million cubic feet (MMcf) per 1000 gallons No. 2 distillate oil (I.e., every 1000 gallons of
190.0	lb/MMcf		No. 2 distillate oil burned is equivalent to 0.126 MMcf of natural gas burned, based on NOx emissions)

19.0	lb/1000 gal =	0.100	million cubic feet (MMcf) per 1000 gallons waste oil (I.e., every 1000 gallons of
190.0	lb/MMcf		waste oil burned is equivalent to 0.1 MMcf of natural gas burned, based on NOx emissions)

Fuel equivalence for re-refined waste oil is determined from the limiting pollutant, SO2, as follows:

0.6	lb/MMcf =	5.4	gallons per million cubic feet (MMcf) natural gas (i.e., every 1 MMcf natural
110.3	lb/1000 gal		gas burned is equivalent to 5.4 gallons of oil burned, based on SO2 emissions)

78.5	lb/1000 gal =	712.0	gallons per 1000 gallons No. 2 distillate oil (i.e., every 1000 gallons of No. 2 oil
110.3	lb/1000 gal		burned is equivalent to 712 gallons of waste oil burned, based on SO2 emissions)

*** * source emissions after controls * ***

misc. combustion sources nonfugitive

P M:	0.11	ton/yr x	100%	emitted after controls =	**0.11**	**ton/yr**
P M-10:	0.18	ton/yr x	100%	emitted after controls =	**0.18**	**ton/yr**

aggregate drying: nonfugitive

P M:	49,056	ton/yr x	0.10%	emitted after controls =	**49.06**	**ton/yr**
P M-10:	11,388	ton/yr x	0.10%	emitted after controls =	**11.39**	**ton/yr**
VOC:	15.27	ton/yr x	100%	emitted after controls =	**15.27**	**ton/yr**

conveying & handling: fugitive

P M:	3.59	ton/yr x	50%	emitted after controls =	**1.79**	**ton/yr**
P M-10:	1.70	ton/yr x	50%	emitted after controls =	**0.85**	**ton/yr**

unpaved roads: fugitive

P M:	306.97	ton/yr x	50%	emitted after controls =	**153.49**	**ton/yr**
P M-10:	65.17	ton/yr x	50%	emitted after controls =	**32.59**	**ton/yr**

storage piles: fugitive

P M:	0.31	ton/yr x	50%	emitted after controls =	**0.16**	**ton/yr**
P M-10:	0.11	ton/yr x	50%	emitted after controls =	**0.05**	**ton/yr**

cold mix VOC storage: fugitive

VOC:	876.00	ton/yr x	9%	emitted after controls =	**81.11**	**ton/yr***

* This is equivalent to 3,244 tons of gelled asphalt binder solvent used per year based on 2.5% of VOC solvent evaporating.

*** * summary of source emissions after controls * ***

Criteria Pollutant:	**Non-Fugitive**	**Fugitive**	**Total**
PM:	**49.21 ton/yr**	**155.44 ton/yr**	**204.65 ton/yr**
PM-10:	**11.60 ton/yr**	**33.49 ton/yr**	**45.09 ton/yr**
S O 2:	**90.00 ton/yr**	**0.00 ton/yr**	**90.00 ton/yr**
N O x:	**90.00 ton/yr**	**0.00 ton/yr**	**90.00 ton/yr**
V O C:	**17.89 ton/yr**	**81.11 ton/yr**	**99.00 ton/yr**
C O:	**39.95 ton/yr**	**0.00 ton/yr**	**39.95 ton/yr**

*** * miscellaneous * ***

326 IAC 7 Compliance Calculations:

The following calculations determine the maximum sulfur content of distillate fuel oil allowable by 326 IAC 7:

0.5	lb/MMBtu	x	140,000	Btu/gal=	70	lb/1000gal
70	lb/1000gal	/	142	lb/1000 gal =	0.5	%

Sulfur content must be less than or equal to 0.5% to comply with 326 IAC 7.

The following calculations determine the maximum sulfur content of waste (residual) oil allowable by 326 IAC 7:

1.6	lb/MMBtu	x	120,000	Btu/gal=	192	lb/1000gal
192	lb/1000gal	/	147	lb/1000 gal =	1.3	%

Sulfur content must be less than or equal to 1.3% to comply with 326 IAC 7.

326 IAC 6-3-2 Compliance Calculations:

The following calculations determine compliance with 326 IAC 6-3-2 for process weight rates in excess of 30 tons per hour:

limit = 55 * (400 ^ 0.11) - 40 = 66.31 lb/hr or
290.45 ton/yr

Since this emission limit exceeds the Subpart I allowable emission limit of 50.83 tons per year, compliance with the PM limit pursuant to 40 CFR 60.90, Subpart I will satisfy the requirements of 326 IAC 6-3-2 and shall render the requirements of 326 IAC 2-2 (PSD) not applicable.

PM-10 Emission Limit:

(99.0 tons PM-10/yr - 34.58 tons PM-10/yr from other souces)
= 64.4 tons PM-10/yr = 14.71 lbs/hr
PM-10 emissions from the aggregate dryer are controlled to 11.4 tons/yr < 64.4 tons/yr (Will comply)
Based on a maximum asphalt mix throughput of 400 tons/hr, this emission limit is equivalent to 0.037 lb PM10 per ton of asphalt mix.

40 CFR Part 60.90, Subpart I (Standards of Performance for Hot Mix Asphalt Plants) Compliance Calculations:

The following calculations determine compliance with NSPS, which limits stack emissions from asphalt plants to 0.04 gr/dscf:

49.06	ton/yr *	2000	lb/ton *	7000	gr/lb =	0.039	gr/dscf	(will comply)
525,600	min/yr *	33,847	dscf/min					

Allowable particulate emissions under NSPS equate to 50.83 tons per year. 11.60 lbs/hr

Note:
SCFM = 37,821 acfm * (460 + 68) / (460 + 130)
= 33,847 scfm

Hazardous Air Pollutants (HAPs)

**** aggregate dryer burner****

The following calculations determine the amount of HAP emissions created by the combustion of distillate fuel oil before & after controls @ 0.50 % sulfur, from the aggregate dryer burner, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Table 1.3-11.

Hazardous Air Pollutants (HAPs): 135 MMBtu/hr * 8760 hr/yr / 2,000 lb/ton * Ef (lb/10^12 Btu) = (ton/yr)

			Potential To Emit		Limited Emissions	
Arsenic:	4	lb/10^12 Btu =	2.37E-03	ton/yr	2.37E-06	ton/yr
Beryllium:	3	lb/10^12 Btu =	1.77E-03	ton/yr	1.77E-06	ton/yr
Cadmium:	3	lb/10^12 Btu =	1.77E-03	ton/yr	1.77E-06	ton/yr
Chromium:	3	lb/10^12 Btu =	1.77E-03	ton/yr	1.77E-06	ton/yr
Lead:	9	lb/10^12 Btu =	5.32E-03	ton/yr	5.32E-06	ton/yr
Manganese:	6	lb/10^12 Btu =	3.55E-03	ton/yr	3.55E-06	ton/yr
Mercury:	3	lb/10^12 Btu =	1.77E-03	ton/yr	1.77E-06	ton/yr
Nickel:	3	lb/10^12 Btu =	1.77E-03	ton/yr	1.77E-06	ton/yr
Selenium:	15	lb/10^12 Btu =	8.87E-03	ton/yr	8.87E-06	ton/yr
		Total HAPs =	2.01E-02	ton/yr	2.01E-05	ton/yr

The following calculations determine the amount of emissions created by re-refined waste oil combustion, from asphalt heating, @ 0.0089 % lead, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 1.11 - Waste Oil Combustion, Tables 1.11-1, 1.11-2, and 1.11-3.

Hazardous Air Pollutants (HAPs): 135 MMBtu/hr * 8760 hr/yr / 120,000 Btu/gal * 2000 lb/ton *1000 gal/kgal * Ef (lb/1000 gal) = (ton/yr)

			Potential To Emit		Limited Emissions	
Lead:	0.4895	lb/1000 gal =	2.41	ton/yr	2.41E-03	ton/yr

*** * aggregate drying: drum-mix plant * ***

The following calculations determine the amount of HAP emissions created by aggregate drying before & after controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Table 11.1-10 for a drum mix dryer which can be fired with either fuel oil or natural gas. The HAP emission factors represent the worst case emissions (fuel oil combustion).

Pollutant: Ef lb/ton x 400 / 2000 lb/ton x ton/hr x 8760 hr/yr

Hazardous Air Pollutants (HAPs):			Potential To Emit		Limited Emissions	
Benzene:	3.90E-04	lb/ton =	0.68	ton/yr	0.68	ton/yr
Ethylbenzene:	2.40E-04	lb/ton =	0.42	ton/yr	0.42	ton/yr
Formaldehyde:	3.10E-03	lb/ton =	5.43	ton/yr	5.43	ton/yr
Hexane:	9.20E-04	lb/ton =	1.61	ton/yr	1.61	ton/yr
2,2,4 Trimethylpentane:	4.00E-05	lb/ton =	0.07	ton/yr	0.07	ton/yr
Methyl chloroform:	4.8E-05	lb/ton =	0.08	ton/yr	0.08	ton/yr
Toluene:	2.90E-03	lb/ton =	5.08	ton/yr	5.08	ton/yr
Total Polycyclic Organic Matter (POM):	8.800E-04	lb/ton =	1.54	ton/yr	1.54	ton/yr
***Xylene:**	2.00E-04	lb/ton =	0.35	ton/yr	0.35	ton/yr
		Total HAPs =	15.27	ton/yr	15.27	ton/yr

*** * summary of source HAP emissions potential to emit * ***

Hazardous Air Pollutants (HAPs):

Arsenic:	**0.002**	ton/yr
Benzene:	**0.683**	ton/yr
Beryllium:	**0.002**	ton/yr
Cadmium:	**0.002**	ton/yr
Chromium:	**0.002**	ton/yr
Ethylbenzene:	**0.420**	ton/yr
Formaldehyde:	**5.431**	ton/yr
Hexane:	**1.612**	ton/yr
2,2,4 Trimethylpentane:	**0.070**	ton/yr
Lead:	**2.412**	ton/yr
Manganese:	**0.004**	ton/yr
Mercury:	**0.002**	ton/yr
Methyl chloroform:	**0.084**	ton/yr
Nickel:	**0.002**	ton/yr
Selenium:	**0.009**	ton/yr
Toluene:	**5.081**	ton/yr
Total POM:	**1.542**	ton/yr
Xylene:	**0.350**	ton/yr
Total:	**17.710**	**ton/yr**

*** * summary of source HAP limited emissions * ***

Hazardous Air Pollutants (HAPs):

Arsenic:	**0.000**	ton/yr
Benzene:	**0.683**	ton/yr
Beryllium:	**0.000**	ton/yr
Cadmium:	**0.000**	ton/yr
Chromium:	**0.000**	ton/yr
Ethylbenzene:	**0.420**	ton/yr
Formaldehyde:	**5.431**	ton/yr
Hexane:	**1.612**	ton/yr
2,2,4 Trimethylpentane:	**0.070**	ton/yr
Lead:	**0.002**	ton/yr
Manganese:	**0.000**	ton/yr
Mercury:	**0.000**	ton/yr
Methyl chloroform:	**0.084**	ton/yr
Nickel:	**0.000**	ton/yr
Selenium:	**0.000**	ton/yr
Toluene:	**5.081**	ton/yr
Total Polycyclic Organic Matter:	**1.542**	ton/yr
Xylene:	**0.350**	ton/yr
Total:	**15.276**	**ton/yr**